

Product datasheet for **SC203120**

HOMER3 (NM_001145722) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: HOMER3 (NM_001145722) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: HOMER3

Synonyms: HOMER-3; VESL3

ACCN: NM_001145722

Insert Size: 270 bp

Insert Sequence: >SC203120 3'UTR clone of NM_001145722

The sequence shown below is from the reference sequence of NM_001145722. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGGCCCGCCTGGCTGAGGCTGCGCCCTGAGCCGGGGCTGGTTTTCTATGAACGATTCCGGCCTGGGAT
GCGGGCCAGGCTGCAGGCGGCATAGTTGGGCCCATTCGTCTGGAAAGGGACTGGGGGGTCCCAACTTA
GCCTGGGTGGCCGGGCGGGCTGGGCTGGGGTGGGCCCCAGTCGGCTCTGTTGTTGGCAGCTTTGG
GGCTGTTTTGAGCTTCTCATTGTGTAGAATTTCTAGATCCCCCGATTACATTTCTAAGCGTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001145722.2](#)



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Summary:

This gene encodes a member of the HOMER family of postsynaptic density scaffolding proteins that share a similar domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain which mediates protein-protein interactions, and a carboxy-terminal coiled-coil domain and two leucine zipper motifs that are involved in self-oligomerization. The encoded protein binds numerous other proteins including group I metabotropic glutamate receptors, inositol 1,4,5-trisphosphate receptors and amyloid precursor proteins and has been implicated in diverse biological functions such as neuronal signaling, T-cell activation and trafficking of amyloid beta peptides. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009]

Locus ID:

9454

MW:

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